FIG. 1

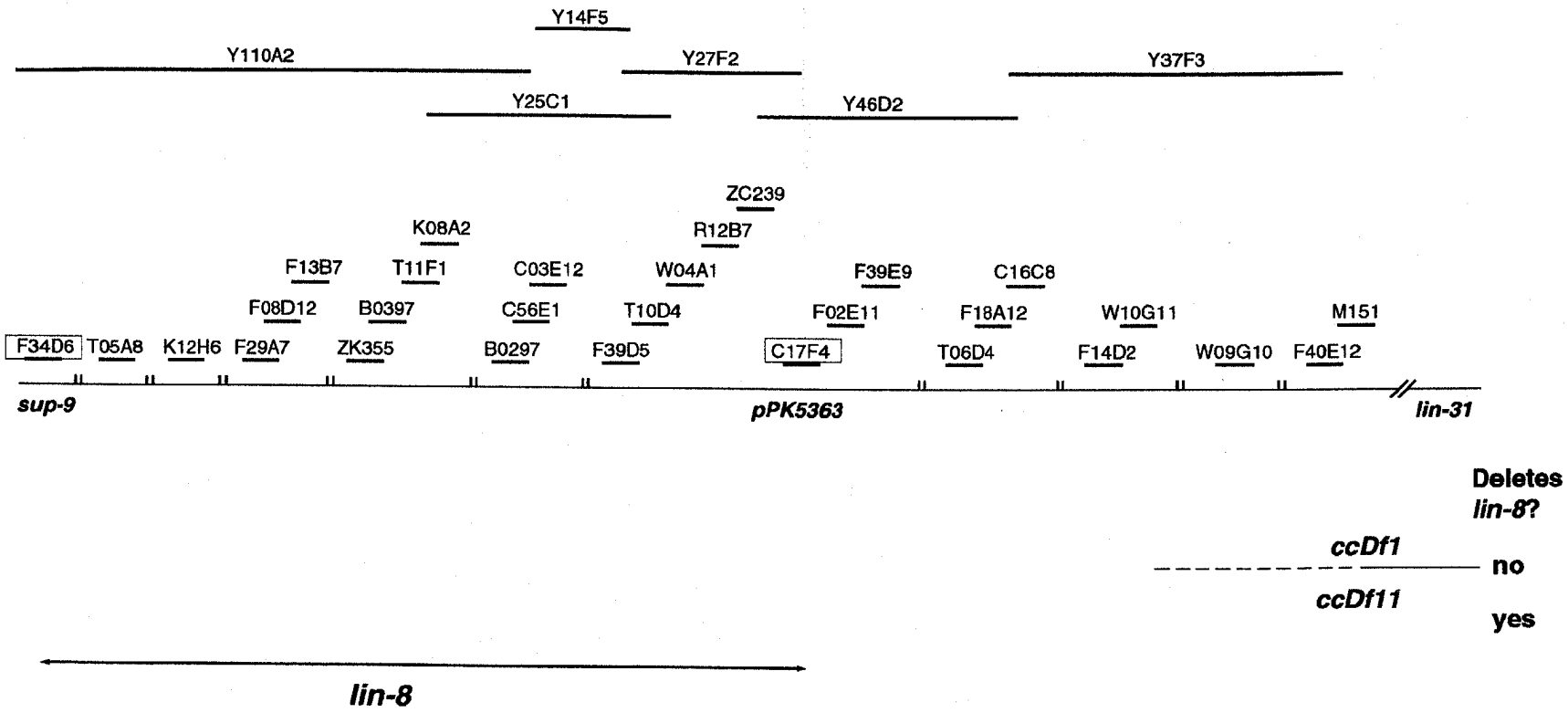
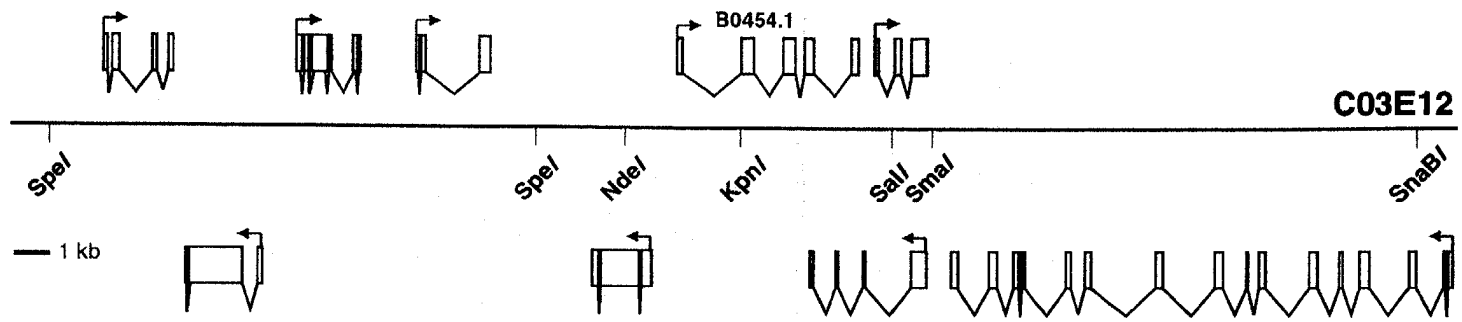

Y14F5
Y110A2
Y27F2
Y37F3
Y25C1
Y46D2
ZC239
K08A2
R12B7
F13B7
T11F1
C03E12
W04A1
F39E9
C16C8
F08D12
B0397
C56E1
T10D4
F02E11
F18A12
W10G11
M151
F34D6
T05A8
K12H6
F29A7
ZK355
B0297
F39D5
C17F4
T06D4
F14D2
W09G10
F40E12
sup-9
pPK5363
lin-31
Deletes lin-8?
ccDf1
no
ccDf11
yes
lin-8

FIG. 2



	Rescue?
SpeI — SpeI	15/17
SpeI — SmaI; SnaBI — SnaBI	12/16
SpeI — SmaI	4/5
SpeI — SalI	20/20
KpnI — SmaI	0/12
SpeI — KpnI	0/7
NdeI — SalI	7/7

FIG. 3

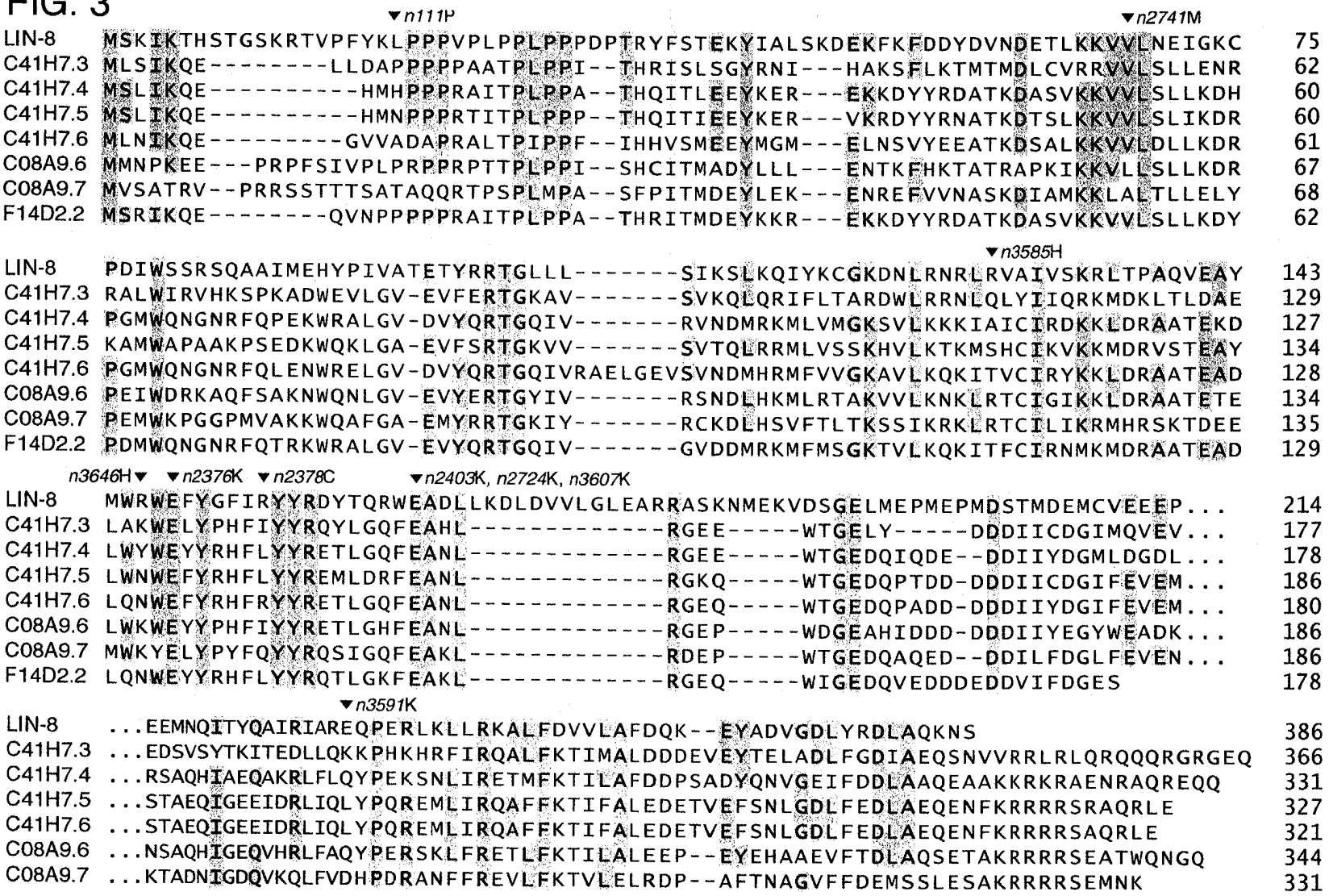

▼n111P
▼n2741M
LIN-8 MSKIKTHSTGSKRTVPFYKLPPPVPLPPLPPPDPTRYFSTEKYIALSKDEKFKFDDYDVNDETLKKVVLNEIGKC 75
C41H7.3 MLSIKQE--------LLDAPPPPPAATPLPPI--THRISLSGYRNI---HAKSFLKTMTMDLCVRRVVLSLLENR 62
C41H7.4 MSLIKQE----------HMHPPPRAITPLPPA--THQITLEEYKER---EKKDYYRDATKDASVKKVVLSLLKDH 60
C41H7.5 MSLIKQE----------HMNPPPRTITPLPPP--THQITIEEYKER---VKRDYYRNATKDTSLKKVVLSLIKDR 60
C41H7.6 MLNIKQE---------GVVADAPRALTPIPPF--IHHVSMEEYMGM---ELNSVYEEATKDSALKKVVLDLLKDR 61
C08A9.6 MMNPKEE---PRPFSIVPLPRPPRPTTPLPPI--SHCITMADYLLL---ENTKFHKTATRAPKIKKVLLSLLKDR 67
C08A9.7 MVSATRV--PRRSSTTTSATAQQRTPSPLMPA--SFPITMDEYLEK---ENREFVVNASKDIAMKKLALTLLELY 68
F14D2.2 MSRIKQE--------QVNPPPPPRAITPLPPA--THRITMDEYKKR---EKKDYYRDATKDASVKKVVLSLLKDY 62
▼n3585H
LIN-8 PDIWSSRSQAAIMEHYPIVATETYRRTGLLL-------SIKSLKQIYKCGKDNLRNRLRVAIVSKRLTPAQVEAY 143
C41H7.3 RALWIRVHKSPKADWEVLGV-EVFERTGKAV-------SVKQLQRIFLTARDWLRRNLQLYIIQRKMDKLTLDAE 129
C41H7.4 PGMWQNGNRFQPEKWRALGV-DVYQRTGQIV-------RVNDMRKMLVMGKSVLKKKIAICIRDKKLDRAATEKD 127
C41H7.5 KAMWAPAAKPSEDKWQKLGA-EVFSRTGKVV-------SVTQLRRMLVSSKHVLKTKMSHCIKVKKMDRVSTEAY 134
C41H7.6 PGMWQNGNRFQLENWRELGV-DVYQRTGQIVRAELGEVSVNDMHRMFVVGKAVLKQKITVCIRYKKLDRAATEAD 128
C08A9.6 PEIWDRKAQFSAKNWQNLGV-EVYERTGYIV-------RSNDLHKMLRTAKVVLKNKLRTCIGIKKLDRAATETE 134
C08A9.7 PEMWKPGGPMVAKKWQAFGA-EMYRRTGKIY-------RCKDLHSVFTLTKSSIKRKLRTCILIKRMHRSKTDEE 135
F14D2.2 PDMWQNGNRFQTRKWRALGV-EVYQRTGQIV-------GVDDMRKMFMSGKTVLKQKITFCIRNMKMDRAATEAD 129
n3646H▼ ▼n2376K ▼n2378C ▼n2403K, n2724K, n3607K
LIN-8 MWRWEFYGFIRYYRDYTQRWEADLLKDLDVVLGLEARRASKNMEKVDSGELMEPMEPMDSTMDEMCVEEEP... 214
C41H7.3 LAKWELYPHFIYYRQYLGQFEAHL----------RGEE-----WTGELY-----DDDIICDGIMQVEV... 177
C41H7.4 LWYWEYYRHFLYYRETLGQFEANL----------RGEE-----WTGEDQIQDE--DDIIYDGMLDGDL... 178
C41H7.5 LWNWEFYRHFLYYREMLDRFEANL----------RGKQ-----WTGEDQPTDD-DDDIICDGIFEVEM... 186
C41H7.6 LQNWEFYRHFRYYRETLGQFEANL----------RGEQ-----WTGEDQPADD-DDDIIYDGIFEVEM... 180
C08A9.6 LWKWEYYPHFIYYRETLGHFEANL----------RGEP-----WDGEAHIDDD-DDDIIYEGYWEADK... 186
C08A9.7 MWKYELYPYFQYYRQSIGQFEAKL----------RDEP-----WTGEDQAQED--DDILFDGLFEVEN... 186
F14D2.2 LQNWEYYRHFLYYRQTLGKFEAKL----------RGEQ-----WIGEDQVEDDDEDDVIFDGES 178
▼n3591K
LIN-8 ...EEMNQITYQAIRIAREQPERLKLLRKALFDVVLAFDQK--EYADVGDLYRDLAQKNS 386
C41H7.3 ...EDSVSYTKITEDLLQKKPHKHRFIRQALFKTIMALDDDEVEYTELADLFGDIAEQSNVVRRLRLQRQQQRGRGEQ 366
C41H7.4 ...RSAQHIAEQAKRLFLQYPEKSNLIRETMFKTILAFDDPSADYQNVGEIFDDLAAQEAAKKRKRAENRAQREQQ 331
C41H7.5 ...STAEQIGEEIDRLIQLYPQREMLIRQAFFKTIFALEDETVEFSNLGDLFEDLAEQENFKRRRRSRAQRLE 327
C41H7.6 ...STAEQIGEEIDRLIQLYPQREMLIRQAFFKTIFALEDETVEFSNLGDLFEDLAEQENFKRRRRSAQRLE 321
C08A9.6 ...NSAQHIGEQVHRLFAQYPERSKLFRETLFKTILALEEP--EYEHAAEVFTDLAQSETAKRRRRSEATWQNGQ 344
C08A9.7 ...KTADNIGDQVKQLFVDHPDRANFFREVLFKTVLELRDP--AFTNAGVFFDEMSSLESAKRRRRSEMNK 331

FIG. 4

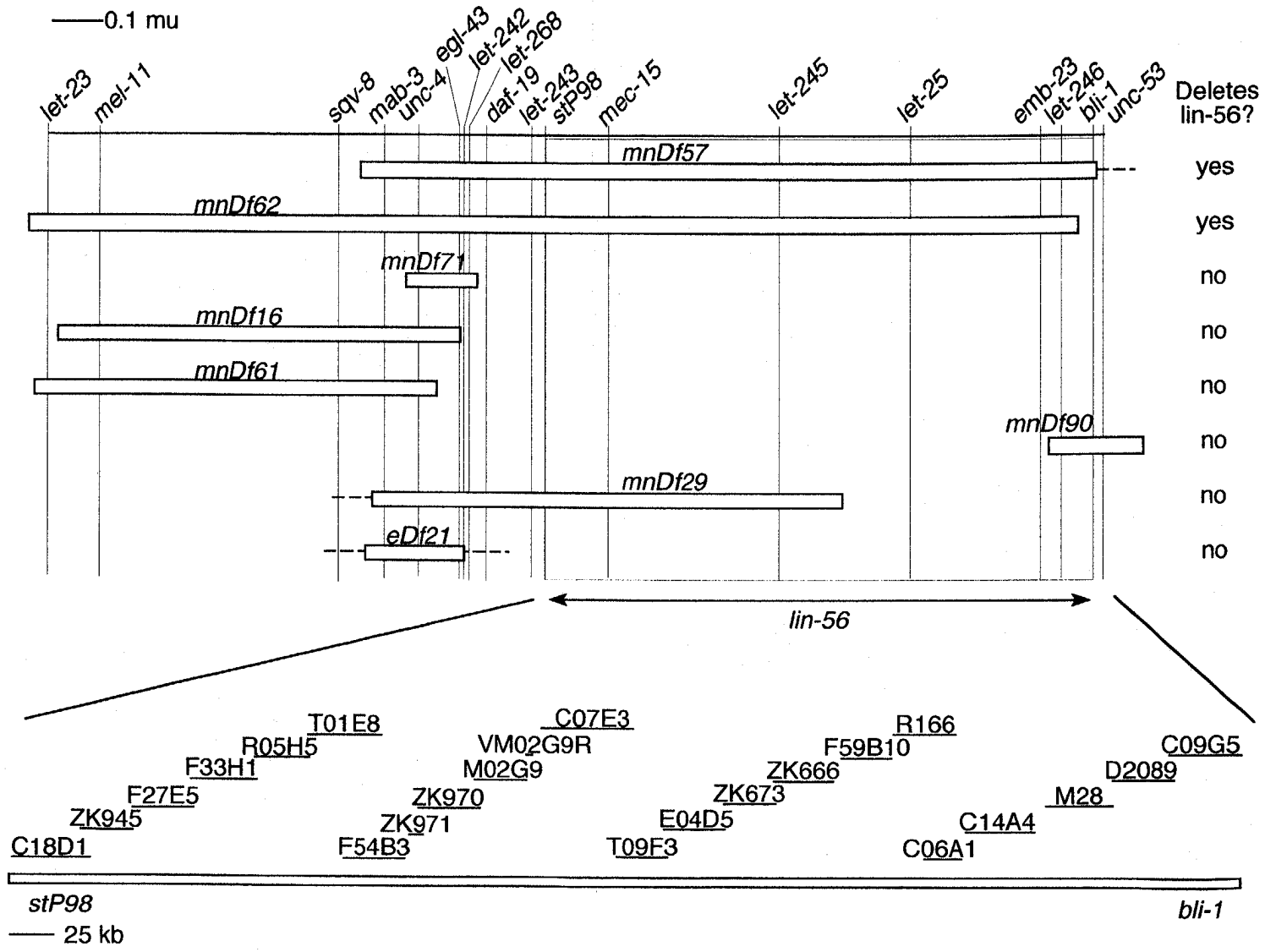

0.1 mu
let-23
mel-11
sqv-8
mab-3
unc-4
egl-43
let-242
let-268
daf-19
let-243
stP98
mec-15
let-245
let-25
emb-23
let-246
bli-1
unc-53
Deletes lin-56?
mnDf57
yes
mnDf62
yes
mnDf71
no
mnDf16
no
mnDf61
no
mnDf90
no
mnDf29
no
eDf21
no
lin-56
T01E8
R05H5
F33H1
F27E5
ZK945
C18D1
C07E3
VM02G9R
M02G9
ZK970
ZK971
F54B3
R166
F59B10
ZK666
ZK673
E04D5
T09F3
C09G5
D2089
M28
C14A4
C06A1
stP98
bli-1
25 kb

FIG. 5

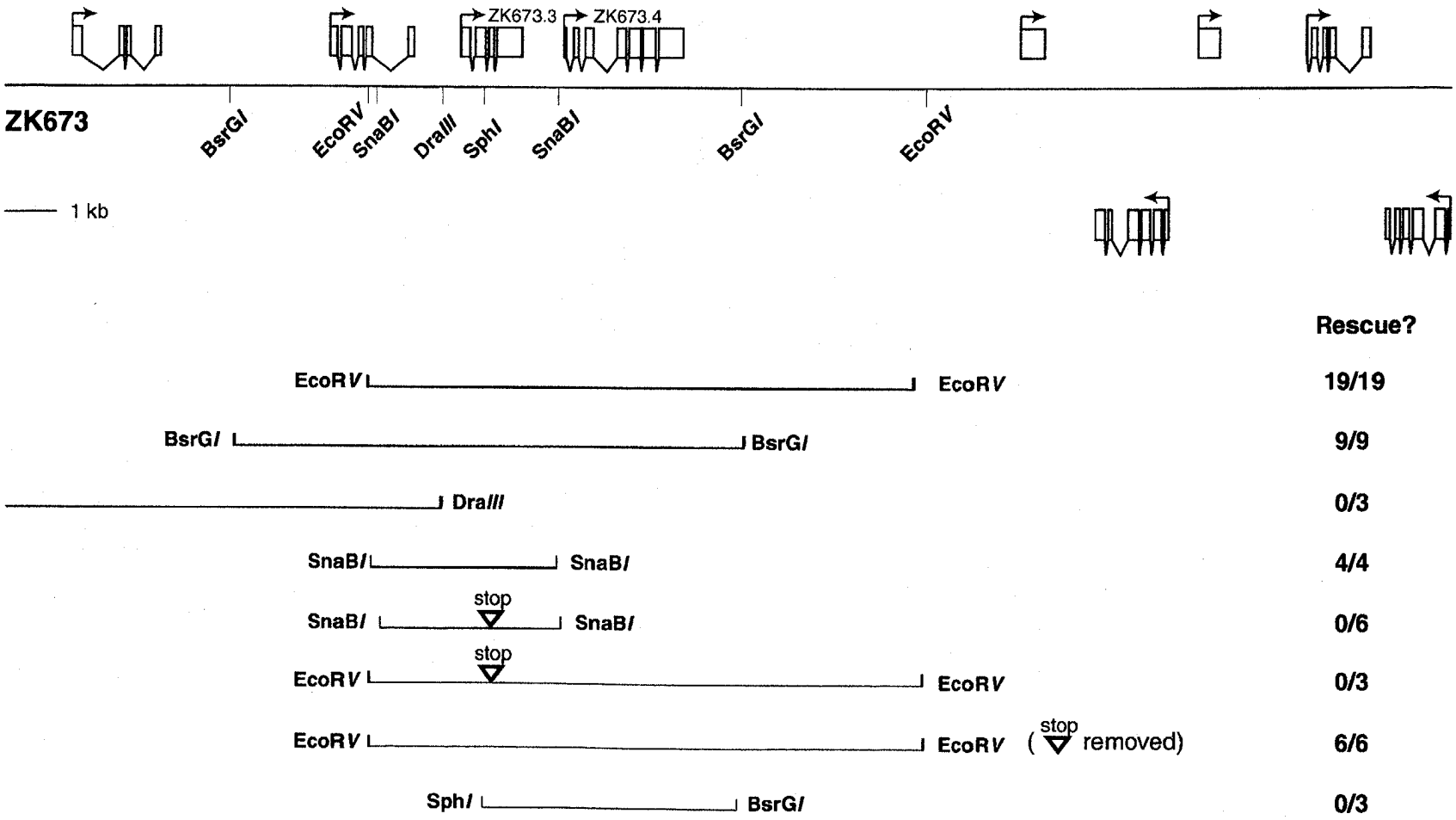

ZK673.3
ZK673.4
ZK673
BsrGI
EcoRV
SnaBI
DraIII
SphI
SnaBI
BsrGI
EcoRV
1 kb
Rescue?
EcoRV
EcoRV
19/19
BsrGI
BsrGI
9/9
DraIII
0/3
SnaBI
SnaBI
4/4
stop
SnaBI
SnaBI
0/6
stop
EcoRV
EcoRV
0/3
EcoRV
EcoRV
stop
removed)
6/6
SphI
BsrGI
0/3

FIG. 6


LIN-56
MDHHAMYRTAEFNKTTVRLLAEFIEKTGQNATIVNMDSFLEFFAYLNPTA 50
PIPTVPEIEKQLLLKSPIRCIVCGMETESDSAVTLSIDNASIILTATVIG 100
YCRDPSDAVNQIRKESLRACTKHFNSIFHVIFEGLQIENTYCAHHAKYSL 150
ANRWCKVYTMIRSSLGEQFTKFDVRNFKSILQSFLDTFGEIDDDKKDKES 200
SHFDECFEEMDSENVEIKMESPQEEAAEKSKFSENLVEVKLEPIETHELD 250
KTISDFSSSDIIDSSQKLQQNGFPEKVEQMDKYSNKLKDEASDKKYEKPG 300
KKDYVEEEGYWAPITDSEDDEA 322

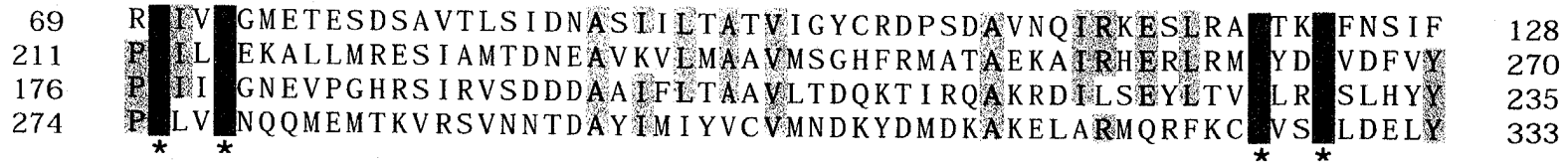

69 RIVGMETESDSAVTLSIDNASIILTATVIGYCRDPSDAVNQIRKESLRATKFNSIF 128
211 PLLEKALLMRESIAMTDNEAVKVLMAAVMSGHFRMATAEKAIRHERLRMYDVDFVY 270
176 PIIGNEVPGHRSIRVSDDDAAIFLTAAVLTDQKTIRQAKRDILSEYLTVLRSLHYY 235
274 PLVNQQMEMTKVRSVNNTDAYIMIYVCVMNDKYDMDKAKELARMQRFKCVSLDELY 333
* * * *

FIG. 7

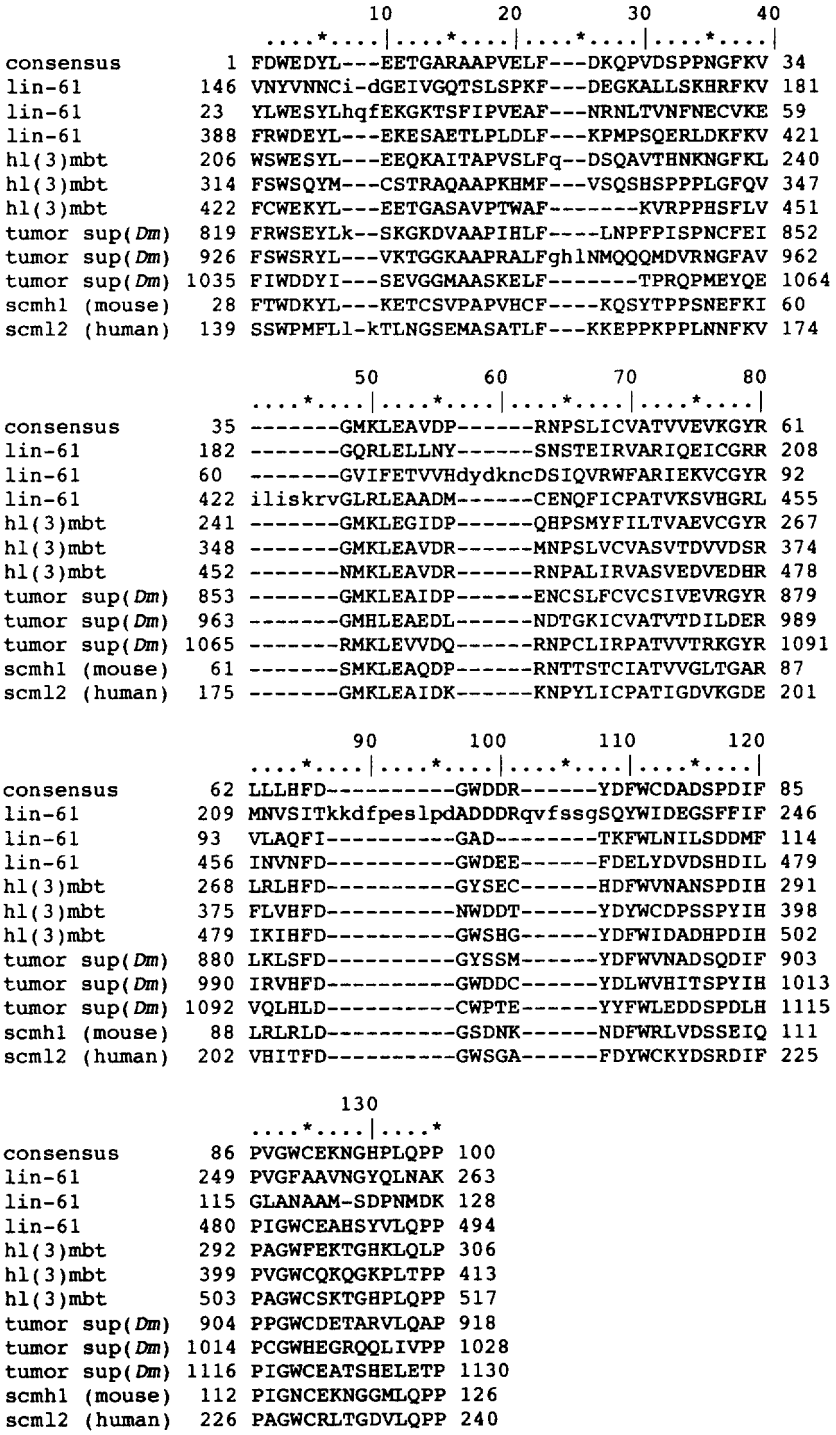


FIG. 8

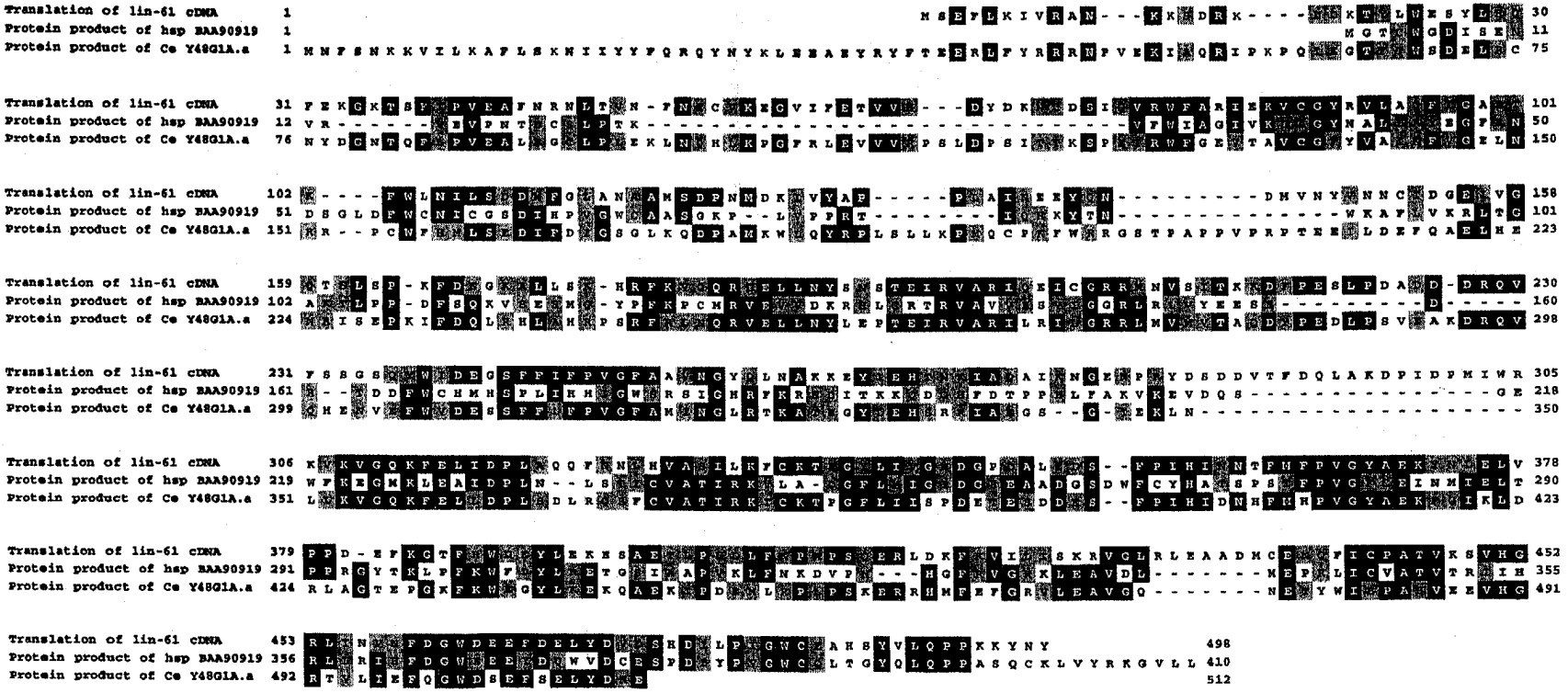
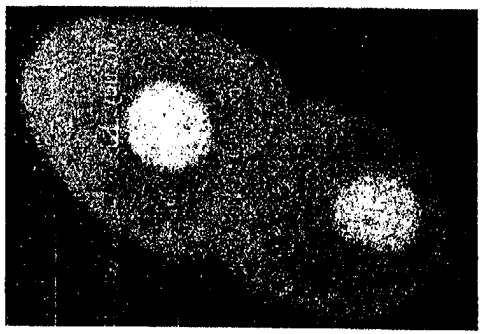
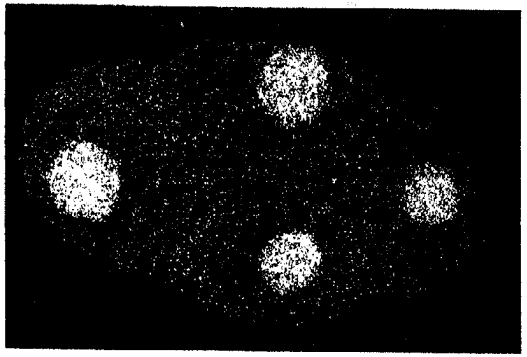

Translation of lin-61 cDNA
Protein product of hsp BAA90919
Protein product of Ce Y48G1A.a

FIG. 9A



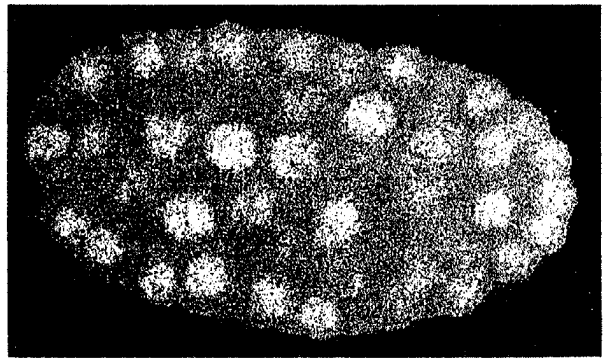
2-cell embryo

FIG. 9B



4-cell embryo

FIG. 9C

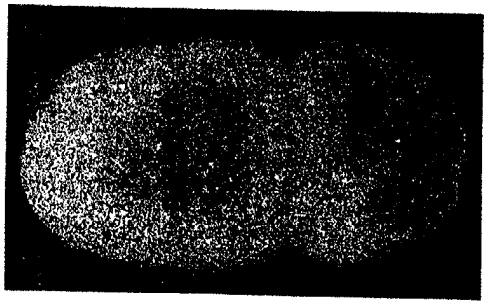


multicellular embryo

FIG. 9D

vulval region of an L4 larva

FIG. 10A

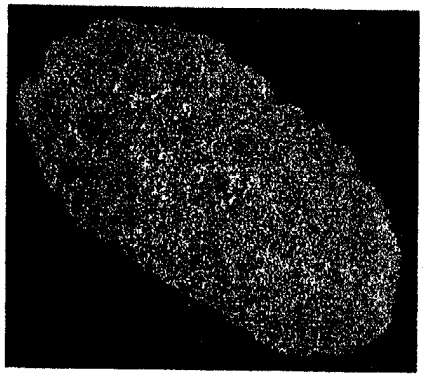


2-cell embryo

FIG. 10B

4-cell embryo

FIG. 10C



multicellular embryo

FIG. 10D

vulval region of an L4 larva

FIG.11A

FIG.11B

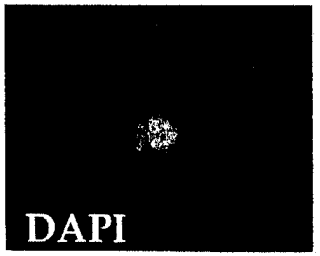


FIG.11C

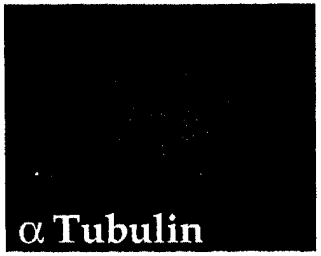


FIG. 12A

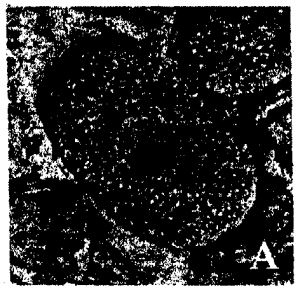


FIG. 12B

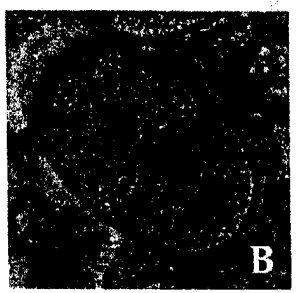


FIG. 12C

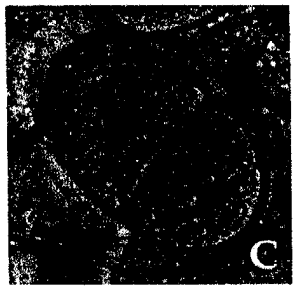


FIG. 12D

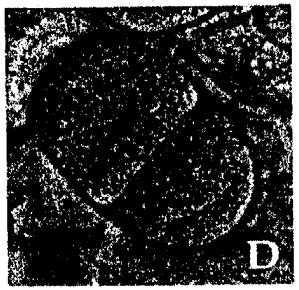


FIG. 12E

FIG. 12F

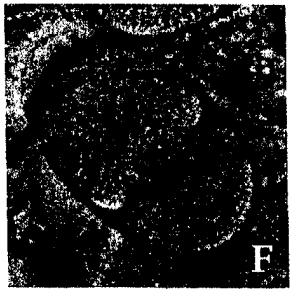


FIG. 12G

FIG. 12H

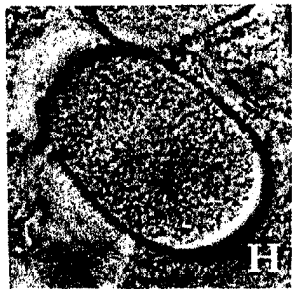


FIG. 13A

FIG. 13B

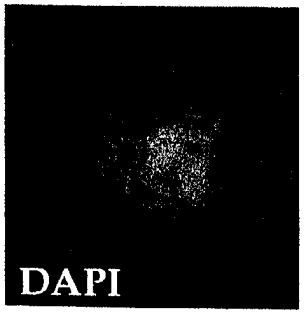


FIG. 13C